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Attorney's Docket 10276-017002 / JDP-031 Con

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kahn et al.  
Serial No. : 10/074,694  
Filed : February 12, 2002  
Title : MODULATING THE RAD-NM23 INTERACTION

Art Unit : Unknown  
Examiner : Unknown

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449. Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/053,967, filed on April 2, 1998. The references designated **AF through AFF** were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application. However, the reference designated **AGG** was not submitted in the parent application and a copy of the same is included herewith.

This statement is being filed before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050, referencing attorney docket number 10276-017002.

Respectfully submitted,

Date: May 28, 2002

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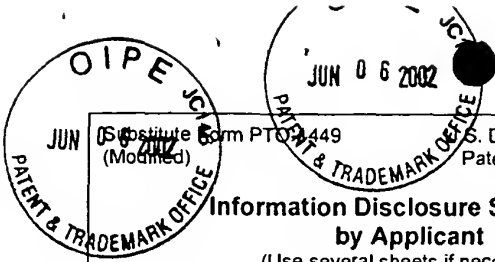
I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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Parent SN 09/053,967  
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Sheet 1 of 2



USPTO Form PTO-1449  
(Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.  
10276-017002

Application No.  
10/074,694

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Kahn et al.

Filing Date  
February 12, 2002

Group Art Unit

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AD							
	AE							

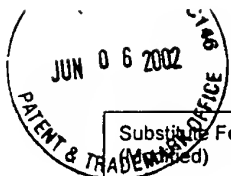
**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AF	Stahl, J. et al., "Identification of a second Human nm23 Gene, nm 23-H2", <i>Cancer Research</i> , Vol. 51, No. 1, pp.445-449, 1991.
	AG	Steeg, P. et al., "Evidence for a Novel Gene Associated with Low Tumor Metastatic Potential", <i>J. Natl. Cancer Inst.</i> , Vol. 80, No. 3, pp 200-204, 1998.
	AH	Zhu et al., "Characterization of Rad, a New Member of Rad/GTPase Super-Family, and Its regulation by a Unique GTPase Activating (CAP) Like Activity", <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 9, pp. 4805-4812, 1995.
	AI	Moyers et al., "Effects of Phosphorylation on Function of the Rad GTPase"; <i>Biochem J.</i> Vol. 333, pp 609-614, 1998.
	AJ	Venturelli et al., "Overexpression of DR-nm23, a Protein Encoded by a Member of the nm23 Gene Family, Inhibits Granulocyte Differentiation and Induces Apoptosis in 32Dcl3 Myeloid Cells", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 92; pp. 7435-7439, 1995.
	AK	Hsu et al., "The Role of nm23 in Transforming Growth Factor Mediated Adherence and Growth Arrest", <i>Cell Growth Differ.</i> Vol. 5, pp. 909-917, September 1994.
	AL	Kantor et al., "Inhibition of Cell Motility After nm23 Transfection of Human and Murine Tumor Cells", <i>Cancer Research</i> , Vol. 53, No. 9;1967-2198, 1993.
	AM	Okabe-Kado J. et al., "Identity of a Differentiation Inhibiting Factor for Mouse myeloid Leukemia Cells with nm23/Nucleoside Dephoshate Kinase", <i>Biochem Biophys Res Commun.</i> Vol. 182, No.3, pp. 981-1520, 1992.
	AN	Hsu et al., "Colon Carcinoma Cells with Inactive nm23 Show Increased Motility and Response to Motility Factors", <i>Carcinogenesis</i> , Vol. 16, No. 9, pp. 2259-2262, 1995.
	AO	Viel et al., "Suppressive Role of the Metastasis-Related nm23-H1 Gene in Human Ovarian Carcinomas: Association of High Messenger RNS Expression with Lack of Lymph Node Metastasis", <i>Cancer Research</i> , Vol. 55, No. 12, pp 2487-2712, 1995.
	AP	Gervasi F., "nm23 Influences Proliferation and Differentiation of PC12 Cells in Response to Nerve Growth Factor", <i>Cell Growth Differ.</i> Pp. 1689-2695, 1996.

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 2 of 2

Substitute Form PTO-1449 (Revised)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10276-017002	Application No. 10/074,694
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Kahn et al.	
		Filing Date February 12, 2002	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	Bominaar et al., "Activation of G-Proteins by Receptor-Stimulated Nucleoside Diphosphate Kinase in Dictyostelium", <i>The EMBO Journal</i> , Vol. 12, No. 6, pp. 2275-2279, 1993.
	AR	Timmons et al., "Point Mutations and awd <sup>Kpm</sup> Which Revert the Prune/Killer of Prune Lethal Interaction Affect Conserved Residues That are Involved in Nucleoside Diphosphate kinase Substrate Binding and Catalyst", <i>The Journal of Biological Chemistry</i> , Vol 270, No. 39, pp.2021-23030, 1995.
	AS	Rosengard et al., "Reduced Nm23/Awd Protein in Tumor Metastasis and Aberrant Drosophila Development", <i>Nature</i> , Vol. 342, No. 9, pp. 177-180, 1989
	AT	Cohn et al., "Association of nm23-H1 Allelic Deletions with Distant Metastases in Colorectal Carcinoma", <i>Lancet</i> Vol. 338, pp. 722-724, 1991.
	AU	Leone et al., "Reduced Tumor Incidence, Matastatic Potential, and Cytokine Responsiveness of nm23-Transfected Melanoma", <i>Cells</i> , Vol. 65, pp. 25-35, 1991
	AV	Urano et al., "Molecular Cloning and Functional Expression of the Second Mouse nm23/NDP Kinase Gene, nm23-M2", <i>FEBS Lett.</i> , Vol. 309, No.3, pp. 358-362, 1992
	AW	Lacombe et al., "Functional Cloning of a Nucleoside Diphosphate Kinase form Dictyostelium Discoideum", <i>The Journal of Biological Chemistry</i> Vol. 265, No. 17, pp. 10012-10018, 1990
	AX	Biggs et al., "A Drosophila Gene That is Homologous to a Mammalian Gene Associated with Tumor Metastasis Codes for a Nucleoside Disphosphate Kinase", <i>Cell</i> , Vol. 63, pp. 933-940, 1990
	AY	MacDonald et al., "A Serine Phosphorylation of Nm23, and Not Its Nucleoside Diphosphate Kinase Activity, Correlates With Suppression of tumor Metastatic Potential", <i>The Journal of Biological Chemistry</i> , Vol. 268, No. 34, pp. 25780-25789, 1993
	AZ	Branch, A.D., TIBS 23 pp.45-50, 1998
	AAA	Gewirtz, A.M. et al., <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 93, pp.3161-3163, 1996
	ABB	Rojanasakul, Y., <i>Advanced Drug Delivery Reviews</i> Vol. 18, pp. 115-131, 1996.
	ACC	Anderson, W.F., <i>Nature</i> , Vol. 392 (suppl), pp. 25-30, 1998.
	ADD	Schuster et al., "Immunotherapy and monoclonal antibody therapies", <i>Curr Opin Oncol.</i> Vol. 4, No. 3 1992, pp.547-552, 1992.
	AEE	Bodey et al., "Human Cancer Detection and Immunotherpay with Conjugated and Non-Conjugated Monoclonal Antibodies", <i>Anticancer Research</i> Vol. 16, pp. 661-674, 1996.
	AFF	Alper, J., "Antibodies Stage a Comeback in Cancer Reatment", <i>Science</i> Vol. 280, pp. 1196-1197, 1998.
	AGG	Okabe-Kado J. et al., "Inhibitory Action of nm23 Proteins on Induction of Erythroid Differentiation of Human Leukemia Cells", <i>Biochimica et Biophysica Acta</i> , Vol.1267, No. 2-3, pp. 101-106, 1995.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	